


ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

| Title of Invention | Sealing Ring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Submission Type : | Utility Patent Filing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application Number: | 10/708741 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EFS ID: | 57621 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Server Response: | <table border="1"> <thead> <tr> <th>Confirmation Code</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>2740</td> </tr> </tbody> </table> | | | Confirmation Code | Message | ISVR1 | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1 | 2740 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Confirmation Code | Message | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ISVR1 | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICON1 | 2740 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Named Applicant: | Hermann Kern | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attorney Docket Number: | P7471US | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Timestamp: | 2004-03-23 05:35:20 EDT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| From: | us | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| File Listing: | <table border="1"> <thead> <tr> <th>Doc. Name</th> <th>File Name</th> <th>Size (Bytes)</th> <th>Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-request</td><td>P7471US-usrequ.xml</td><td>4770</td><td>2004-03-23</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-03-23</td></tr> <tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2004-03-23</td></tr> <tr><td>us-fee-sheet</td><td>P7471US-usfees.xml</td><td>1667</td><td>2004-03-23</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2004-03-23</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-03-23</td></tr> <tr><td>us-declaration</td><td>P7471US-usdecl.xml</td><td>1356</td><td>2004-03-23</td></tr> <tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2004-03-23</td></tr> <tr><td>us-declaration</td><td>us-declaration.xml</td><td>10015</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>Specification-trans.xml</td><td>20567</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isoamso.ent</td><td>1934</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isomfrk.ent</td><td>4553</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isomopf.ent</td><td>2571</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isomscr.ent</td><td>4628</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isotech.ent</td><td>5268</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isobox.ent</td><td>3568</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isocyr1.ent</td><td>5345</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isocyr2.ent</td><td>2504</td><td>2004-03-23</td></tr> <tr><td>application-body</td><td>isodia.ent</td><td>1508</td><td>2004-03-23</td></tr> </tbody> </table> | | | Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) | us-request | P7471US-usrequ.xml | 4770 | 2004-03-23 | us-request | us-request.dtd | 19064 | 2004-03-23 | us-request | us-request.xml | 33300 | 2004-03-23 | us-fee-sheet | P7471US-usfees.xml | 1667 | 2004-03-23 | us-fee-sheet | us-fee-sheet.xml | 24912 | 2004-03-23 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2004-03-23 | us-declaration | P7471US-usdecl.xml | 1356 | 2004-03-23 | us-declaration | us-declaration.dtd | 3833 | 2004-03-23 | us-declaration | us-declaration.xml | 10015 | 2004-03-23 | application-body | Specification-trans.xml | 20567 | 2004-03-23 | application-body | us-application-body.xml | 83497 | 2004-03-23 | application-body | application-body.dtd | 49498 | 2004-03-23 | application-body | wipo.ent | 4956 | 2004-03-23 | application-body | mathml2.dtd | 54588 | 2004-03-23 | application-body | mathml2-qname-1.mod | 13225 | 2004-03-23 | application-body | isoamsa.ent | 5191 | 2004-03-23 | application-body | isoamsb.ent | 3988 | 2004-03-23 | application-body | isoamsc.ent | 1460 | 2004-03-23 | application-body | isoamsn.ent | 5620 | 2004-03-23 | application-body | isoamso.ent | 1934 | 2004-03-23 | application-body | isoamsr.ent | 7073 | 2004-03-23 | application-body | isogr3.ent | 3559 | 2004-03-23 | application-body | isomfrk.ent | 4553 | 2004-03-23 | application-body | isomopf.ent | 2571 | 2004-03-23 | application-body | isomscr.ent | 4628 | 2004-03-23 | application-body | isotech.ent | 5268 | 2004-03-23 | application-body | isobox.ent | 3568 | 2004-03-23 | application-body | isocyr1.ent | 5345 | 2004-03-23 | application-body | isocyr2.ent | 2504 | 2004-03-23 | application-body | isodia.ent | 1508 | 2004-03-23 |
| Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | P7471US-usrequ.xml | 4770 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | us-request.dtd | 19064 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-request | us-request.xml | 33300 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | P7471US-usfees.xml | 1667 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | us-fee-sheet.xml | 24912 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-fee-sheet | us-fee-sheet.dtd | 11069 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-declaration | P7471US-usdecl.xml | 1356 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-declaration | us-declaration.dtd | 3833 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| us-declaration | us-declaration.xml | 10015 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | Specification-trans.xml | 20567 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | us-application-body.xml | 83497 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | application-body.dtd | 49498 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | wipo.ent | 4956 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | mathml2.dtd | 54588 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | mathml2-qname-1.mod | 13225 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isoamsa.ent | 5191 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isoamsb.ent | 3988 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isoamsc.ent | 1460 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isoamsn.ent | 5620 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isoamso.ent | 1934 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isoamsr.ent | 7073 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isogr3.ent | 3559 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isomfrk.ent | 4553 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isomopf.ent | 2571 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isomscr.ent | 4628 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isotech.ent | 5268 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isobox.ent | 3568 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isocyr1.ent | 5345 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isocyr2.ent | 2504 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| application-body | isodia.ent | 1508 | 2004-03-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) |
|------------------|---------------------|--------------|--------------------------|
| application-body | isolat1.ent | 5282 | 2004-03-23 |
| application-body | isolat2.ent | 9007 | 2004-03-23 |
| application-body | isonum.ent | 5913 | 2004-03-23 |
| application-body | isopub.ent | 6621 | 2004-03-23 |
| application-body | mmlextra.ent | 7901 | 2004-03-23 |
| application-body | mmalias.ent | 38209 | 2004-03-23 |
| application-body | soextblx.dtd | 12870 | 2004-03-23 |
| application-body | Figs13.TIF | 25588 | 2004-03-23 |
| application-body | Fig2.TIF | 12712 | 2004-03-23 |
| application-body | Fig4.TIF | 11320 | 2004-03-23 |
| application-body | Fig5.TIF | 12028 | 2004-03-23 |
| package-data | P7471US-pkda.xml | 7456 | 2004-03-23 |
| package-data | package-data.dtd | 27025 | 2004-03-23 |
| package-data | us-package-data.xsl | 19263 | 2004-03-23 |
| Total files size | | 596282 | |

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